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Dated: 2/6/2005

Signature:

Joanne Ryan  
(Joanne Ryan)

Docket No.: BBNT-P01-015  
(PATENT)

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re Patent Application of:  
Pearson et al.

Application No.: 10/799177

Confirmation No.: 8150

Filed: March 12, 2004

Art Unit: 2661

For: SYSTEMS AND METHODS FOR  
IMPLEMENTING ROUTING PROTOCOLS  
AND ALGORITHMS FOR QUANTUM  
CRYPTOGRAPHIC KEY TRANSPORT

Examiner: Not Yet Assigned

**INFORMATION DISCLOSURE STATEMENT (IDS)**

MS Amendment  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Dear Sir:

Pursuant to 37 CFR 1.56, 1.97 and 1.98, the attention of the Patent and Trademark Office is hereby directed to the references listed on the attached PTO/SB/08. It is respectfully requested that the information be expressly considered during the prosecution of this application, and that the references be made of record therein and appear among the "References Cited" on any patent to issue therefrom. Applicants call the Examiner's attention to co-pending, co-owned patent applications 10/803509 filed on March 18, 2004; and 09/611783 filed on July 7, 2000, of which subject matter is related to that of the above-referenced patent application, and in which one or more office actions may have issued.

This Information Disclosure Statement is filed before the mailing date of a first Office Action on the merits as far as is known to the undersigned (37 CFR 1.97(b)(3)).

A copy of each non-patent reference on the PTO/SB/08 is attached.

In accordance with 37 CFR 1.97(g), the filing of this Information Disclosure Statement shall not be construed to mean that a search has been made or that no other material information as defined in 37 CFR 1.56(a) exists. In accordance with 37 CFR 1.97(h), the filing of this Information Disclosure statement shall not be construed to be an admission that any patent, publication or other information referred to therein is "prior art" for this invention unless specifically designated as such.

It is submitted that the Information Disclosure Statement is in compliance with 37 CFR 1.98 and the Examiner is respectfully requested to consider the listed references.

The Director is hereby authorized to charge any deficiency in the fees filed, asserted to be filed or which should have been filed herewith (or with any paper hereafter filed in this application by this firm) to our Deposit Account No. 18-1945, under Order No. BBNT-P01-015.

Dated: February 8, 2005

Respectfully submitted,

By 

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Substitute for form 1449A/BPTO			<b>Complete if Known</b>		
<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (Use as many sheets as necessary)			Application Number	10/799177	
			Filing Date	March 12, 2004	
			First Named Inventor	David S. Pearson	
			Art Unit	2661	
			Examiner Name	Not Yet Assigned	
Sheet	1	of	2	Attorney Docket Number	BBNT-P01-015

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No.	Document Number Number-Kind Code <sup>2</sup> (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
	AA	US-5,243,649	09-07-1993	Franson	
	AB	US-5,339,182	08-16-1994	Kimble et al	
	AC	US-5,414,771	05-09-1995	Fawcett, Jr.	
	AD	US-5,502,766	03-26-1996	Boebert et al	
	AE	US-5,675,548	10-07-1997	Townsend	
	AF	US-5,710,773	01/1998	Shiga, Tomohisa	
	AG	US-5,732,139	03-24-1998	Lo et al	
	AH	US-5,757,912	05-26-1998	Blow	
	AI	US-5,764,765	06-09-1998	Phoenix et al	
	AJ	US-5,768,391	06-16-1998	Ichikawa	
	AK	US-5,768,378	06-16-1998	Townsend et al	
	AL	US-5,805,801	09/1998	Holloway et al	
	AM	US-5,850,441	12-15-1998	Townsend et al	
	AN	US-5,953,421	09-14-1999	Townsend	
	AO	US-5,966,224	10-12-1999	Hughes et al	
	AP	US-6,122,252	09/2000	Aimoto et al	
	AQ	US-6,233,075	05/2001	Chang et al	
	AR	US-6,233,393	05/2001	Yanagihara et al	
	AS	US-6,463,060	10/2002	Sato et al	
	AT	US-6,563,796	05/2003	Saito, Hiroshi	
	AU	US-6,684,335	01/2004	Epstein et al.	

FOREIGN PATENT DOCUMENTS					
Examiner Initials*	Cite No.	Foreign Patent Document Country Code <sup>2</sup> -Number-Kind Code <sup>3</sup> (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. <sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language translation is attached.

NON PATENT LITERATURE DOCUMENTS					
Examiner Initials	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.			
	CA	Laser End-Point-Detection System. IBM Technical Disclosure Bulletin. 28:7, 3151-53. (1985)			
	CB	Quantum Public Key Distribution System. IBM Technical Disclosure Bulletin. 28:7, 3154-63. (1985)			
	CC	Collins, Graham P. Quantum Cryptography Defies Eavesdropping. Physics Today. pp 21-3 (1992)			
	CD	Townsend et al. Single Photon Interference in 10km Long Optical Fibre Interferometer. Electronics Letters. 29:7, 634-35. (1993)			

Examiner Signature	/Hosuk Song/	Date Considered	02/04/2009
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Substitute for form 1449A/B/PTO  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  <i>(Use as many sheets as necessary)</i>				<b>Complete if Known</b>	
				Application Number	10/799177
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Sheet	2	of	2	Attorney Docket Number	BBNT-P01-015

	CE	Townsend et al. Enhanced Single Photon Fringe Visibility in A 10 km-Long Prototype Quantum Cryptography Channel. Electronics Letters. 29:14, 1291-93. (1993)	
	CF	Townsend, P.D. Secure key distribution system based on quantum cryptography. Electronics Letters. 30:10, 809-11. (1994)	
	CG	Phoenix, Simon J.D. et al. Multi-user quantum cryptography on optical networks. Journal of Modern Optics. 42:6, 1155-63. (1995)	
	CH	Franson, J.D. Violations of a New Inequality for Classical Fields. Johns Hopkins University; NTIS-NASA Publication; Goddard Space Flight Center; Workshop on Squeezed States and Uncertainty Relations. pp 23-32. (1991)	

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

\*Applicant's unique citation designation number (optional). \*Applicant is to place a check mark here if English language Translation is attached.

Examiner Signature	/Hosuk Song/	Date Considered	02/04/2009
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Signature

Joanne Ryan

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Information Disclosure Statement (2 pages)  
Form PTO SB/08 (29 References)  
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